Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/07/2016 11:09 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	07/29/2016 03:45 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124354	-1	1.90	124183	1.84
Blue	F	SSC	125000	124264	-1	3.64	124543	3.32
Blue	E	FITC	22946	22418	-3	2.53	997	9.84
Blue	D	PE	28770	28122	-3	2.03	1012	8.93
Blue	B	PerCP-Cy5-5	51099	50640	-1	3.44	1455	16.20
Blue	A	PE-Cy7	42312	42170	-1	5.13	649	34.19
Red	C	APC	52169	51531	-2	2.95	2962	9.41
Red	A	APC-Cy7	56705	56310	-1	3.03	1169	10.98
Violet	B	V450	14708	14091	-5	4.76	675	9.55
Violet	A	V500	58608	57216	-3	4.51	2542	7.13

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19360	5.85	599	1	N/A	N/A	Pass
Blue	F	SSC	61860	1.85	528	10	N/A	N/A	Pass
Blue	E	FITC	111	38.83	534	3	0.0232	232	Pass
Blue	D	PE	222	27.36	530	4	0.2074	302	Pass
Blue	B	PerCP-Cy5-5	227	43.96	627	5	0.0113	141	Pass
Blue	A	PE-Cy7	72	110.52	675	4	0.0128	11	Pass
Red	C	APC	348	27.00	590	0	0.0208	50	Pass
Red	A	APC-Cy7	128	40.07	574	-2	0.0060	1887	Pass
Violet	B	V450	82	43.87	466	7	0.0443	2045	Pass
Violet	A	V500	185	26.16	496	8	0.0129	978	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.00	-30.73	0.84
Blue	20.35	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.33
Red	16.46	13.27 - 19.91	N/A	N/A	31.20	31.35	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9569

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments